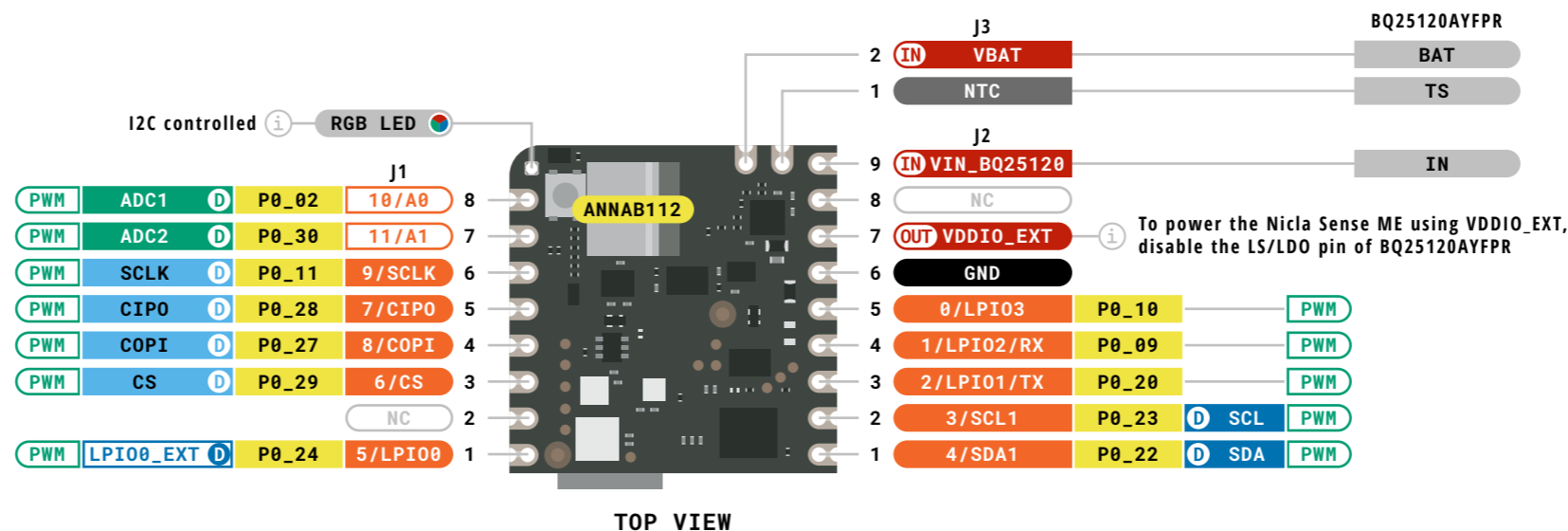


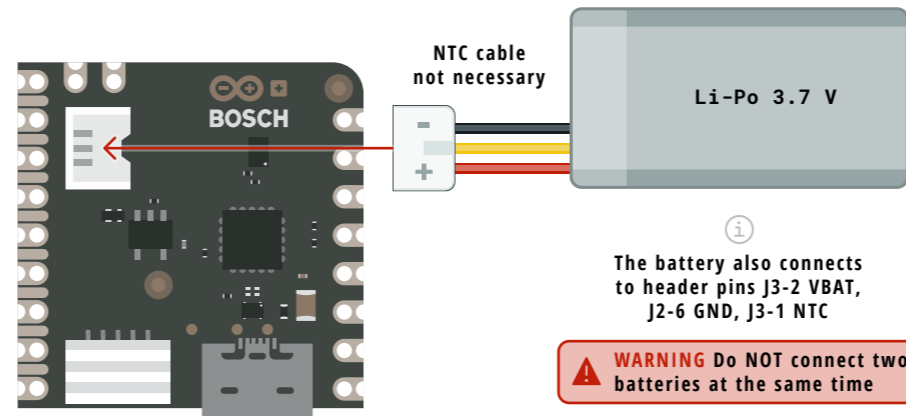
TOP VIEW

The battery also connects with the Battery Connector on the bottom of the board

**WARNING** Do NOT connect two batteries at the same time



TOP VIEW



BOTTOM VIEW

**WARNING** Do NOT connect two batteries at the same time

Legend:

- Power
- GPIO Digital External
- I2C
- LED
- Power Input
- Analog External
- SPI
- RGB LED
- Power Output
- Main Part
- UART/USART
- Other
- Ground
- Secondary Part
- Other SERIAL Communication
- Default
- Default
- Default
- Default
- Internal Component
- Analog
- PWM/Timer
- Other Pins (Reset, System Control, Debugging)

**MAXIMUM** LPI0s are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details. VDDIO\_EXT is software programmable between 1.8 and 3.3V

CIP0/COPI have previously been referred to as MISO/MOSI

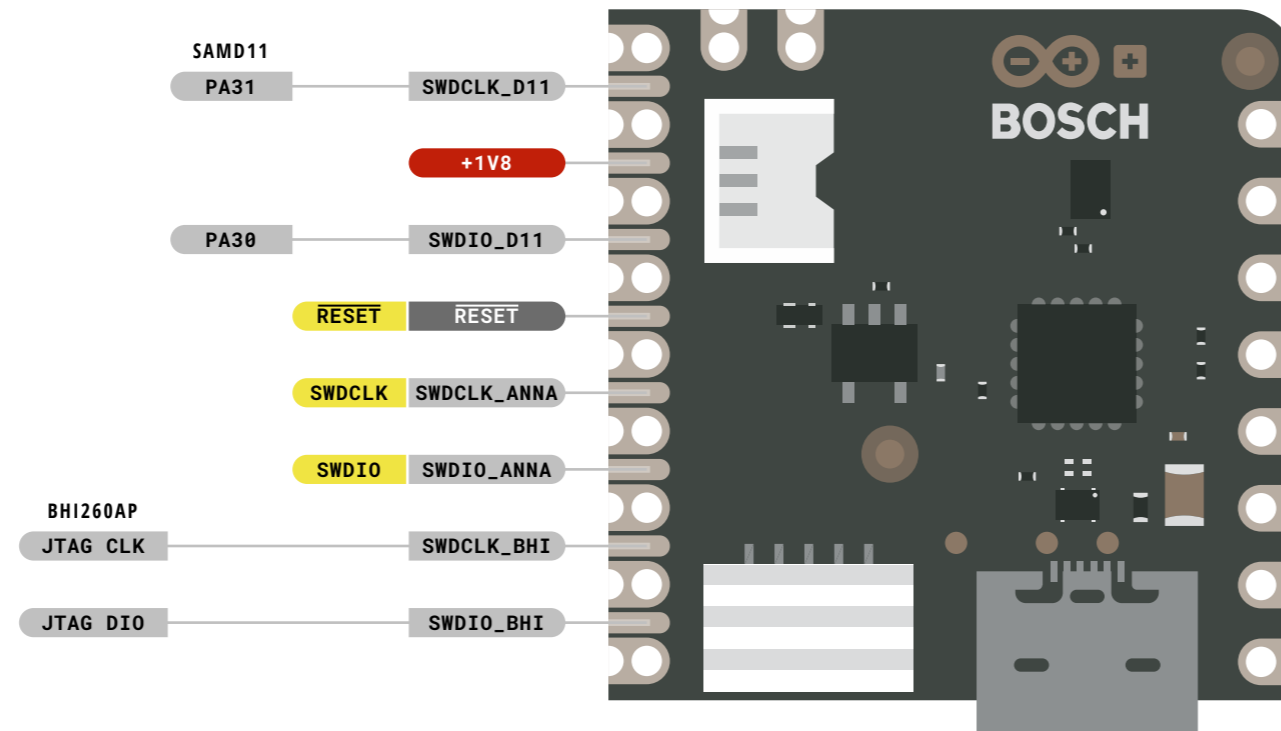
**NICLA SENSE ME**

SKU code: ABX00050  
Full Pinout - Page 1 of 8  
Last update: 27 Feb, 2024

DOCS.ARDUINO.CC

This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

## BOTTOM VIEW



### Legend:

■ Power

Power Input

Power Output

■ Ground

■ GPIO Digital External

□ Analog External

■ Main Part

■ Secondary Part

■ Internal Component

■ Other Pins (Reset, System Control, Debugging)

LED

RGB LED

□ Other

**MAXIMUM** LPIOs are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details.  
VDDIO\_EXT is software programmable between 1.8 and 3.3V

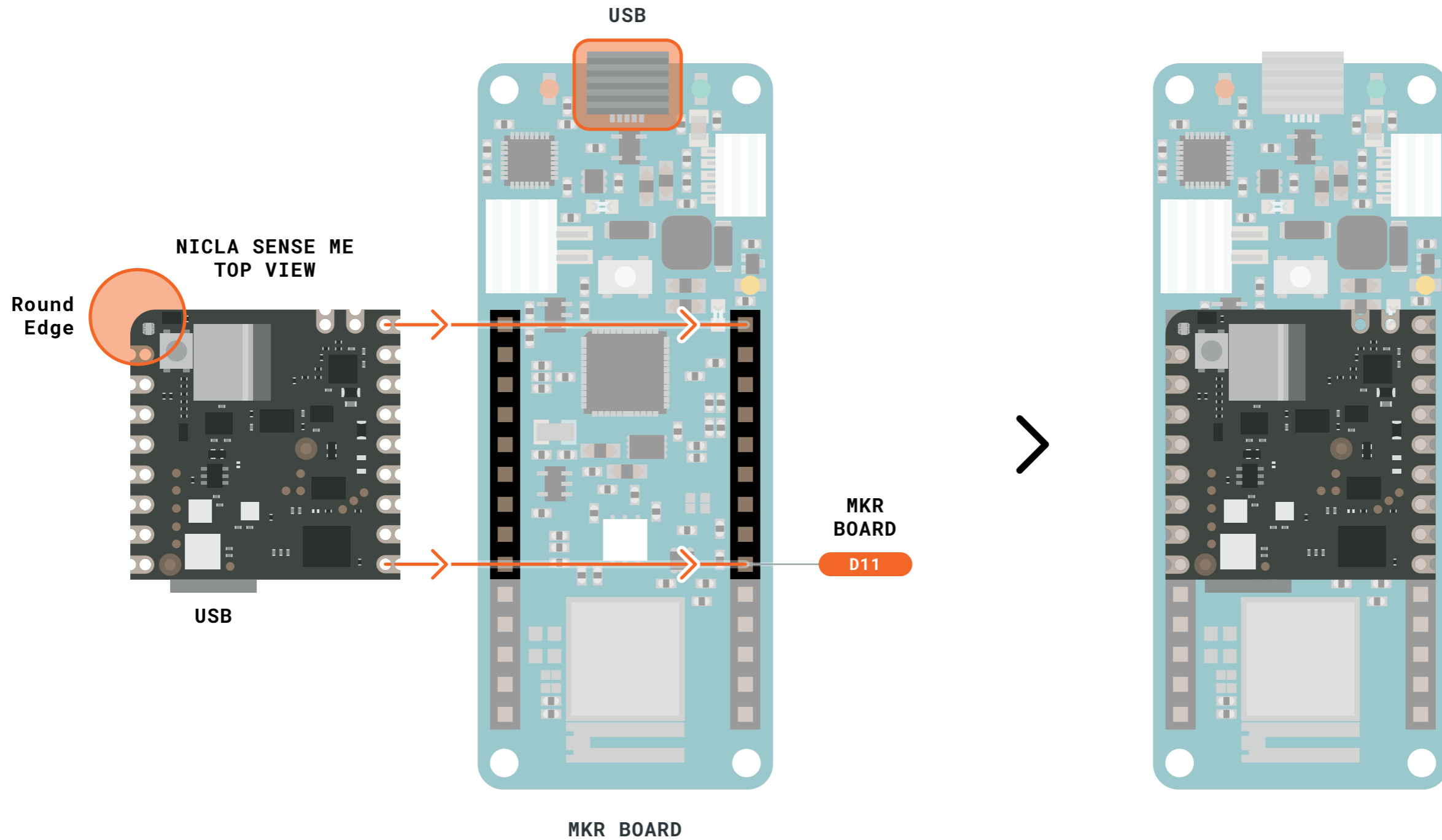
CIP0/COPI have previously been referred to as MISO/MOSI

**NICLA SENSE ME**  
**ARDUINO**

SKU code: ABX00050  
Full Pinout - Page 2 of 8  
Last update: 27 Feb, 2024

**DOCS . ARDUINO . CC** This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

# Compatible with MKR Boards



## Legend:

- Power
- IN Power Input
- OUT Power Output
- Ground
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)

- LED
- RGB LED
- Other

**⚠** **MAXIMUM** LPIOs are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details.  
VDDIO\_EXT is software programmable between 1.8 and 3.3V

**i** CIP0/COPI have previously been referred to as MISO/MOSI

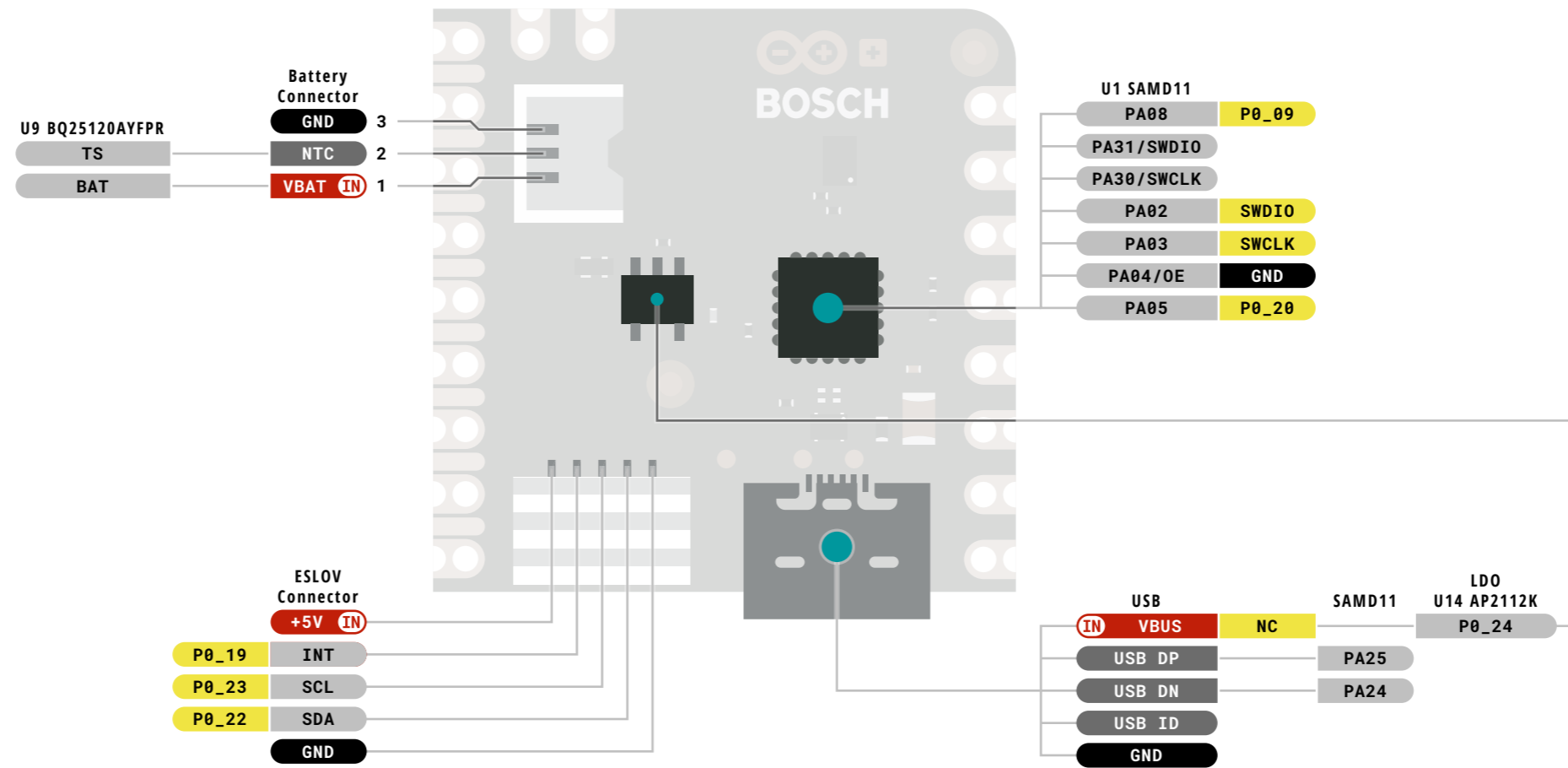


SKU code: ABX00050  
Full Pinout - Page 3 of 8  
Last update: 27 Feb, 2024

DOCS . ARDUINO . CC

This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

### BOTTOM VIEW




**Legend:**

- Power
- Ground
- Power Input
- Power Output
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- LED
- RGB LED
- Other

**!** **MAXIMUM** LPIOs are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details. VDDIO\_EXT is software programmable between 1.8 and 3.3V


**i** CIP0/COPI have previously been referred to as MISO/MOSI



**NICLA  
SENSE ME  
ARDUINO**

SKU code: ABX00050  
Full Pinout - Page 4 of 8  
Last update: 27 Feb, 2024

**DOCS . ARDUINO . CC**



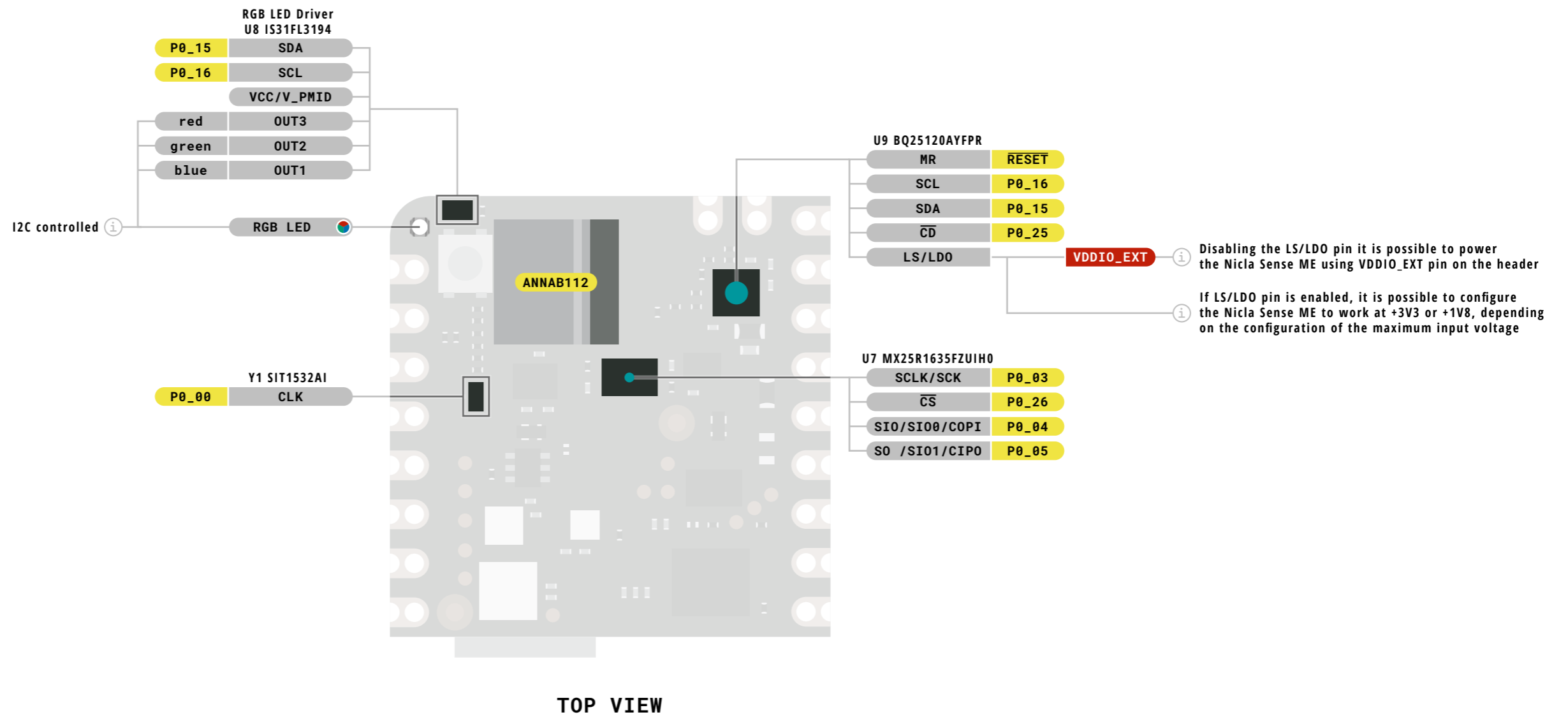
This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

WARNING!

## Advanced Section

The following information is for advanced use only and may not be officially supported by Arduino software





**Legend:**

- Power
- IN Power Input
- OUT Power Output
- Ground
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- LED
- RGB LED
- Other

**⚠ MAXIMUM** LPIOs are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details.  
VDDIO\_EXT is software programmable between 1.8 and 3.3V

ⓘ CIP0/COPI have previously been referred to as MISO/MOSI

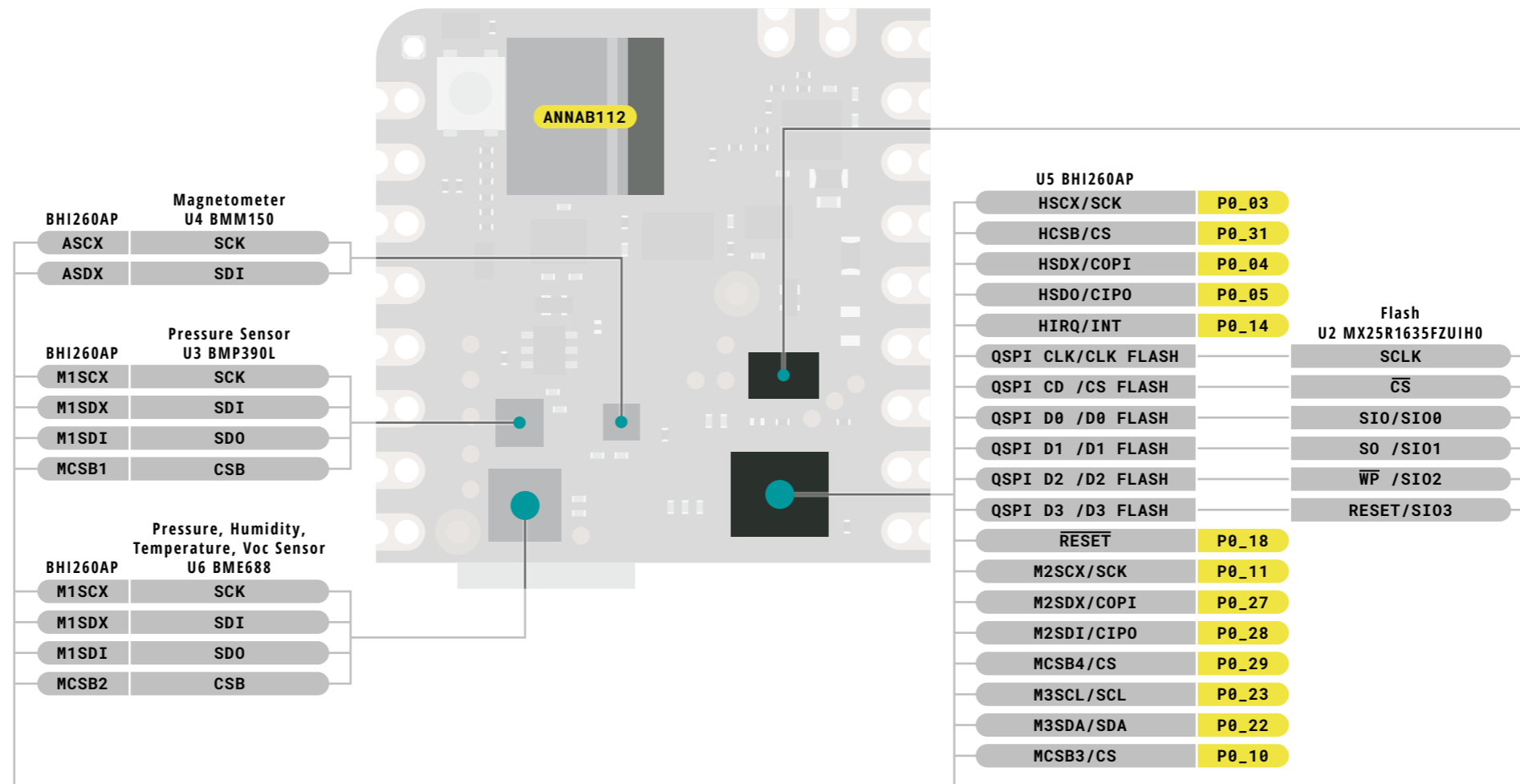


SKU code: ABX00050  
Full Pinout - Page 6 of 8  
Last update: 27 Feb, 2024

**DOCS.ARDUINO.CC**

This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

### TOP VIEW




#### Legend:

- Power
- GPIO Digital External
- LED
- Power Input
- Analog External
- RGB LED
- Power Output
- Main Part
- Other
- Ground
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)

**⚠** **MAXIMUM** LPIOs are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details.  
 VDDIO\_EXT is software programmable between 1.8 and 3.3V


**i** CIP0/COPI have previously been referred to as MISO/MOSI



**NICLA SENSE ME**

**ARDUINO**

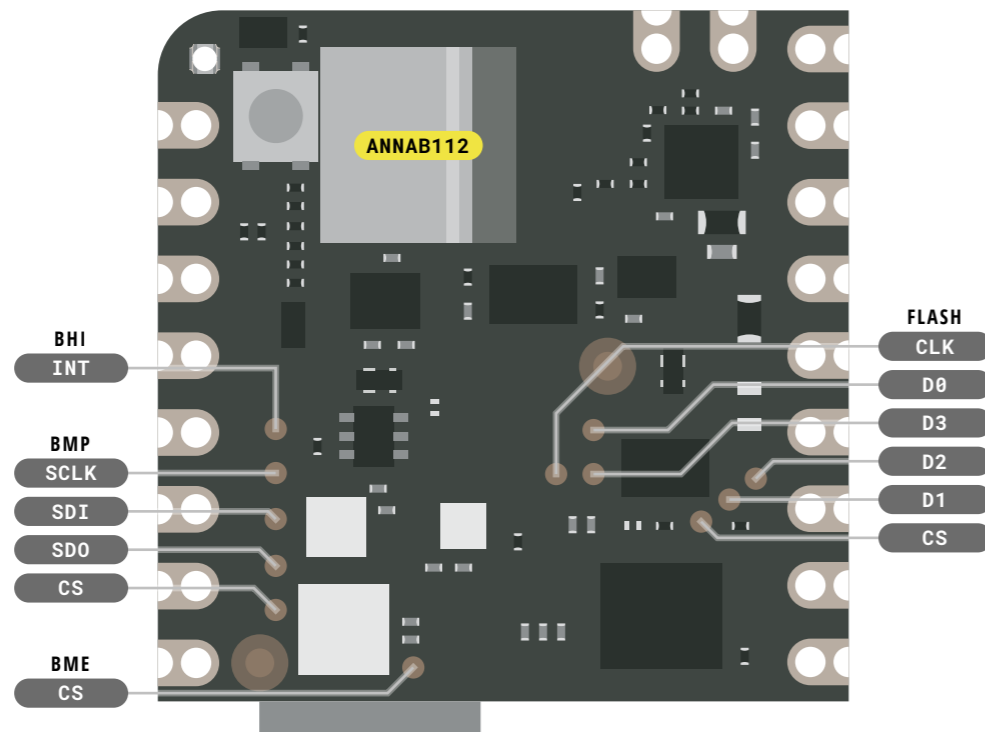
SKU code: ABX00050  
 Full Pinout - Page 7 of 8  
 Last update: 27 Feb, 2024



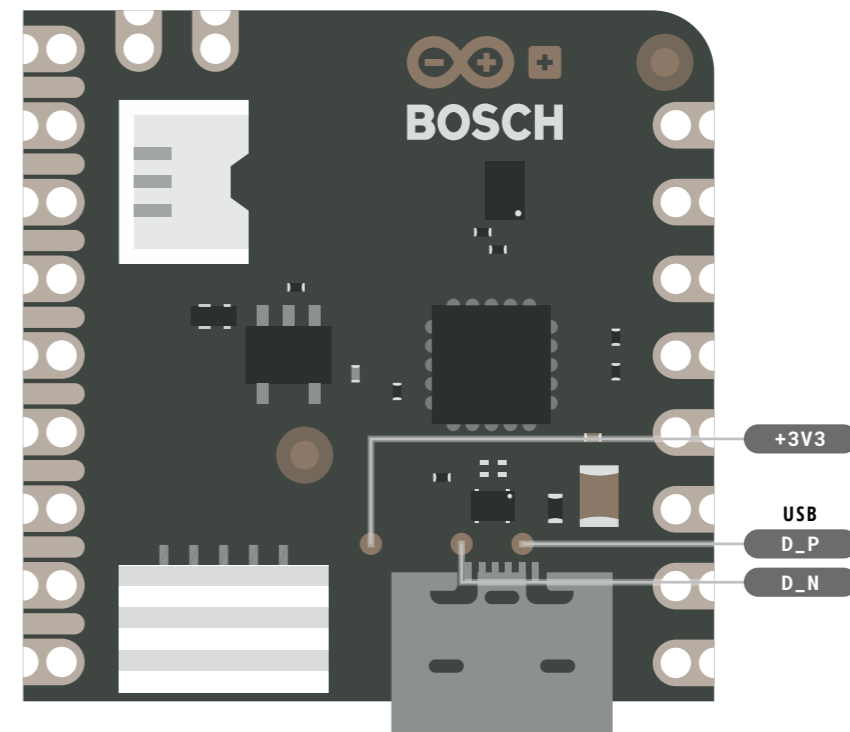
This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.

# Test Points

TOP VIEW



BOTTOM VIEW



**Legend:**

- Power
- Ground
- Power Input
- Power Output
- GPIO Digital External
- Analog External
- Main Part
- Secondary Part
- Internal Component
- Other Pins (Reset, System Control, Debugging)
- LED
- RGB LED
- Other

**⚠** **MAXIMUM** LPIOs are driven by bidirectional translators powered by VDDIO\_EXT. These translators are meant for low power and can only drive very limited current. Please check translator datasheet for details.  
 VDDIO\_EXT is software programmable between 1.8 and 3.3V

**i** CIP0/COPI have previously been referred to as MISO/MOSI



SKU code: ABX00050  
 Full Pinout - Page 8 of 8  
 Last update: 27 Feb, 2024

**DOCS.ARDUNO.CC**

This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-sa/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.